

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\

Method File : VL031124AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

Last Update : Tue Mar 12 06:25:15 2024

Response Via : Initial Calibration

Calibration Files

0.03=VL041087.D 0.1 =VL041086.D 0.5 =VL041085.D 1 =VL041084.D 2 =VL041083.D 10 =VL041082.D 15 =VL041088.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			1.987	2.039	2.022	1.783	1.697	1.906	8.16
3) Chlorodifluoro...			1.551	1.566	1.552	1.365	1.309	1.469	8.31
4) Chloromethane			0.590	0.604	0.587	0.504	0.494	0.556	9.42
5) T Vinyl Chloride	0.749	0.447	0.574	0.543	0.578	0.537	0.531	0.566	16.20
6) T Bromomethane			0.221	0.217	0.244	0.222	0.217	0.224	5.11
7) Chloroethane			0.206	0.201	0.204	0.189	0.181	0.196	5.51
8) T Dichlorotetra...			1.442	1.486	1.435	1.284	1.272	1.384	7.13
9) T Propene			0.490	0.511	0.528	0.462	0.455	0.489	6.39
10) T Heptane			1.100	1.177	1.268	1.156	1.150	1.170	5.28
11) T Trichlorofluor...			1.504	1.559	1.545	1.395	1.345	1.469	6.45
12) T 1,1,2-Trichlor...			1.139	1.139	1.126	1.032	0.966	1.080	7.22
13) Ethanol			0.162	0.144	0.134	0.107	0.104	0.130	19.05
14) T Bromoethene			0.425	0.437	0.437	0.407	0.400	0.421	4.08
15) T Acetone			1.272	1.271	1.315	0.935	0.903	1.139	17.73
16) T 1,3-Butadiene			0.500	0.521	0.563	0.501	0.499	0.517	5.27
17) tert-Butyl alc...			0.862	0.952	0.862	0.792	0.749	0.844	9.16
18) T 1,1-Dichloroet...			0.496	0.484	0.493	0.452	0.432	0.472	5.95
19) T Isopropyl Alcohol			0.630	0.644	0.656	0.578	0.535	0.609	8.31
20) T Methylene Chlo...			0.545	0.470	0.453	0.381	0.372	0.444	15.93
21) T Allyl Chloride			0.673	0.641	0.669	0.618	0.617	0.643	4.17
22) T trans-1,2-Dich...			0.457	0.547	0.632	0.553	0.563	0.550	11.31
23) T Vinyl Acetate			1.076	1.271	1.357	1.335	1.406	1.289	10.00
24) T 1,1-Dichloroet...			0.971	1.273	1.296	1.149	1.134	1.165	11.16
25) T Ethyl Acetate			1.955	2.222	2.192	1.960	1.934	2.053	6.90
26) T Hexane			0.922	0.969	0.972	0.864	0.859	0.917	5.96
27) T Carbon Disulfide			0.985	1.101	1.076	1.128	1.208	1.100	7.36
28) T Methyl tert-Bu...			0.697	0.872	0.898	0.788	0.800	0.811	9.72
29) T Chloroform			1.508	1.682	1.681	1.483	1.457	1.562	7.07
30) T Cyclohexane			0.833	0.732	0.787	0.721	0.727	0.760	6.38
31) T cis-1,2-Dichlo...			0.800	0.941	0.953	0.886	0.886	0.893	6.76
32) T 1,1,1-Trichlor...	1.342	1.125	1.389	1.574	1.590	1.442	1.441	1.415	11.07

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.464	0.502	0.516	0.498	0.495	0.495	3.88
35) T Carbon Tetrach...	0.584	0.435	0.580	0.623	0.642	0.618	0.609	0.584	11.88
36) T Benzene			0.715	0.760	0.792	0.734	0.721	0.744	4.26
37) T 1,2-Dichloroet...			0.433	0.476	0.457	0.442	0.431	0.448	4.22
38) T Trichloroethene	0.232	0.231	0.263	0.294	0.301	0.287	0.284	0.270	10.71
39) T 1,2-Dichloropr...			0.302	0.305	0.313	0.287	0.282	0.298	4.31

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40)	T	1,4-Dioxane		0.111	0.127	0.119	0.116	0.114	0.117	5.15
41)	T	Tetrahydrofuran		0.296	0.282	0.296	0.300	0.300	0.295	2.46
42)	T	Bromodichlorom...		0.595	0.641	0.686	0.646	0.640	0.642	5.02
43)		Methyl Methacr...		0.243	0.285	0.301	0.304	0.306	0.288	9.23
44)	T	2,2,4-Trimethy...		1.195	1.288	1.360	1.212	1.161	1.243	6.43
45)	T	t-1,3-Dichloro...		0.141	0.175	0.199	0.230	0.247	0.198	21.30
46)	T	cis-1,3-Dichlo...		0.210	0.220	0.256	0.275	0.284	0.249	13.17
47)	T	1,1,2-Trichlor...		0.324	0.307	0.329	0.313	0.315	0.318	2.74
48)	T	Dibromochlorom...		0.447	0.504	0.544	0.547	0.547	0.518	8.41
49)	T	Bromoform		0.322	0.393	0.434	0.454	0.457	0.412	13.68
50)	T	4-Methyl-2-Pen...		0.606	0.721	0.817	0.759	0.748	0.730	10.68
51)	T	2-Hexanone		0.443	0.555	0.565	0.558	0.553	0.535	9.63
52)	T	Tetrachloroethene	0.192 0.159	0.243	0.256	0.262	0.252	0.252	0.231	17.04
53)	T	Toluene		0.680	0.785	0.875	0.842	0.831	0.802	9.42
54)	T	1,2-Dibromoethane	0.305	0.379	0.410	0.452	0.450	0.456	0.408	14.43
-----ISTD-----										
55)	I	Chlorobenzene-d5								
56)		1,1,1,2-Tetrac...		0.433	0.453	0.435	0.412	0.405	0.428	4.50
57)	T	Chlorobenzene		0.696	0.752	0.726	0.683	0.668	0.705	4.81
58)	T	Ethyl Benzene		1.047	1.211	1.247	1.190	1.158	1.171	6.52
59)	T	m/p-Xylene		0.948	1.088	1.103	1.014	0.986	1.028	6.47
60)	T	o-Xylene		0.913	1.007	1.032	0.979	0.948	0.976	4.82
61)	T	Styrene		0.341	0.404	0.448	0.505	0.506	0.441	15.91
62)		Isopropylbenzene		1.401	1.539	1.527	1.416	1.365	1.450	5.42
63)	T	1,1,2,2-Tetrac...	0.695 0.623	0.773	0.799	0.796	0.736	0.711	0.733	8.62
64)		n-propylbenzene		0.335	0.371	0.382	0.366	0.370	0.365	4.82
65)		tert-Butylbenzene		1.178	1.328	1.354	1.232	1.209	1.260	6.09
66)	T	Benzyl Chloride		0.075	0.077	0.075	0.094	0.106	0.085	16.22
67)		sec-Butylbenzene		1.699	1.951	1.967	1.759	1.685	1.812	7.56
68)	S	1-Bromo-4-Fluo...	0.789 0.783	0.798	0.774	0.744	0.788	0.797	0.782	2.37
69)		p-Isopropyltol...		1.235	1.488	1.543	1.417	1.386	1.414	8.29
70)		n-Butylbenzene		1.306	1.623	1.688	1.541	1.480	1.528	9.61
71)		2-Chlorotoluene		1.018	1.141	1.184	1.116	1.084	1.109	5.63
72)	T	4-Ethyltoluene		0.895	1.101	1.144	1.123	1.108	1.074	9.44
73)	T	1,3,5-Trimethy...		0.830	0.978	1.022	0.968	0.956	0.951	7.59
74)	T	1,2,4-Trimethy...		1.005	1.153	1.177	1.060	1.034	1.086	6.96
75)	T	1,3-Dichlorobe...		0.579	0.615	0.661	0.624	0.622	0.620	4.68
76)	T	1,4-Dichlorobe...		0.631	0.651	0.623	0.608	0.611	0.625	2.74
77)	T	1,2-Dichlorobe...		0.570	0.629	0.635	0.599	0.595	0.606	4.41
78)	T	Hexachloro-1,3...		0.466	0.472	0.477	0.359	0.359	0.427	14.48
79)	T	Naphthalene	0.234	0.510	0.681	0.782	0.770	0.796	0.629	35.14
80)	T	Naphthalene,2-...		0.063	0.088	0.098	0.121	0.134	0.101	27.59
81)	T	1,2,4-Trichlor...		0.300	0.352	0.390	0.381	0.388	0.362	10.51

(#) = Out of Range